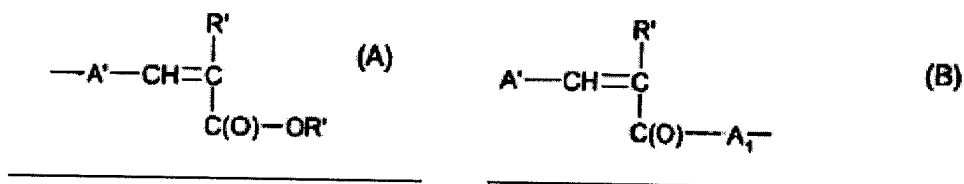


AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): Composition comprising
- a) at least one ethylenically unsaturated monomer to which a photochemically isomerizable or dimerizable molecule, which corresponds to the formula A or B,



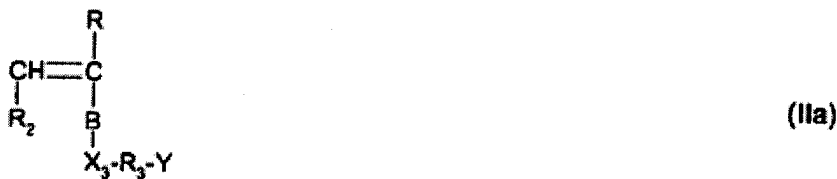
where

R' is hydrogen or C₁-C₄-alkyl,

A' is an optionally substituted mono- or divalent aromatic radical or an optionally substituted mono- or divalent heteroaromatic radical, and

A₁ is a bridging group, is covalently bonded,

- b) at least one ethylenically unsaturated monomer to which a sensitizer is covalently bonded, which corresponds to the formula IIa



wherein

R is H or methyl,

R₂ is H,

B is -C(O)-,

Y is ketocoumarin, carbonylbiscoumarin or benzophenone,

X₃ is -O-, and

R₃ is a radical of the formula -(R₄)_r-X₄-(R₅)_s

where

R₄ is C₁-C₂₀-alkylene, polyoxaethylene or polyoxapropylene having from 2 to 10 oxaalkylene units, C₅- or C₆-cycloalkylene, -cyclopentyl-C_nH_{2n}- and -cyclohexyl-C_nH_{2n}- where n is 1 or 2, -cyclopentyl-(C_nH_{2n})₂- and -cyclohexyl-(C_nH_{2n})₂- where n is 1 or 2, phenylene, benzylene, phenylethylene or xylylene,

R₅ is a direct bond or C₁-C₄-alkylene,

X₄ is a radical selected from the group of -O-, -S-, -NR₆-, -C(O)-O-, -O-C(O)-,

-O-C(O)-O-, -SO₂-O-, -O-SO₂-, -O-SO₂-O-, -NR₆-C(O)-, -C(O)-NR₆-, -NR₆-C(O)-O-,

-O-C(O)-NR₆-, -NR₆-C(O)-NR₆-, -NR₆-SO₂-, -SO₂-NR₆-, -NR₆-SO₂-O-, -O-SO₂-NR₆- or

-NR₆-SO₂-NR₆-, and

r is the number 1 and s is 0 or the number 1, and

- c) optionally other ethylenically unsaturated comonomers.
2. (canceled).
3. (currently amended): Composition according to Claim 1, characterized in that the monomers-(a) a) correspond to the formula I or to the formula Ia



where

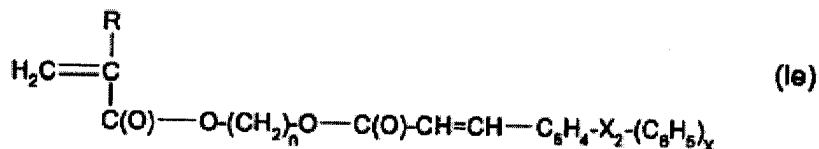
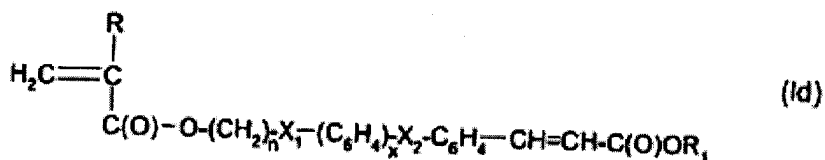
R is H or C₁-C₈-alkyl,

A is a bridging group,

S₁ is an optionally substituted divalent and S₂ an optionally substituted monovalent aromatic or heteroaromatic radical, and

Z₁ is a monovalent and Z₂ a divalent radical of a molecule which isomerizes or dimerizes photochemically.

4. (previously presented): Composition according to Claim 1, characterized in that the monomers a) correspond to the formula Id or to the formula Ie



where

R is methyl,

n is a number from 2 to 20,

R₁ is C₁-C₄-alkyl,

x is 0 or 1,

X₁ is a direct bond or a -O-, -S-, -C(O)O-, -O(O)C-, -OC(O)O-, -NH-, -NC₁-C₄-alkyl-, -NHC(O)-, -C(O)NH-, -NHC(O)NH-, -NC₁-C₄-alkyl-C(O)-, -C(O)-NC₁-C₄-alkyl-, -NC₁C₄-alkyl-C(O)-NC₁-C₄-alkyl-, -O(CO)NH-, -OC(O)-NC₁-C₄-alkyl-, -NHC(O)O- or -NC₁-C₄-alkyl-C(O)O- group,

X₂ is a direct bond, -O-, -S-, -CO-, -OC(O)- or -C(O)O-, and the C₆H₄ and C₆H₅ groups are each independently unsubstituted or substituted by 1 to 3 C₁-C₄-alkyl and/or C₁-C₄-alkoxy.

5. (canceled).

6. (canceled).

7. (canceled).

8. (canceled).

9. (currently amended): Composition according to Claim 1, characterized in that monomers-(e) c are selected from the group of ethene, propene, butene, pentene, styrene, vinyl chloride, vinylidene chloride, acrylonitrile, (meth)acrylonitrile, (meth)acrylamide, N-alkylated or N-hydroxyalkylated (meth)acrylamides, alkyl (meth)acrylates and hydroxyalkyl (meth)acrylates having 1 to 20 carbon atoms in the ester group, vinyl and allyl esters and vinyl and allyl ethers having 1 to 20 carbon atoms in the ester or ether groups, alkyl (meth)acrylates or vinyl and allyl ethers of polyoxaalkylene diols.

10. (withdrawn): Composite material composed of a substrate and a thin layer of a polymerizable composition or of a copolymer of this composition, comprising

- a) at least one ethylenically unsaturated monomer to which a photochemically isomerizable or dimerizable molecule is covalently bonded,
- b) at least one ethylenically unsaturated monomer to which a sensitizer is covalently bonded, and
- c) optionally other ethylenically unsaturated comonomers.

11. (withdrawn): Composition comprising a photocrosslinked layer of the composition according to Claim 1 and a liquid-crystalline layer on said photocrosslinked layer.

12. (withdrawn): A method of using a composition according to Claim 1, comprising producing alignment layers with the composition on a substrate material.

13. (previously presented): Composition according to Claim 4, wherein n is from 4 to 14.

14. (previously presented): Composition according to Claim 4, wherein R_1 is methyl.

15. (previously presented): Composition according to Claim 4, wherein the C_6H_4 and C_6H_5 groups are each independently unsubstituted or substituted by 1 to 3 methoxy groups.

16. (previously presented): Composition according to Claim 13, wherein R_1 is methyl.

17. (previously presented): Composition according to Claim 13, wherein the C_6H_4 and C_6H_5 groups are each independently unsubstituted or substituted by 1 to 3 methoxy groups.

18. (previously presented): Composition according to Claim 14, wherein the C_6H_4 and C_6H_5 groups are each independently unsubstituted or substituted by 1 to 3 methoxy groups.

19. (previously presented): Composition according to Claim 16, wherein the C_6H_4 and C_6H_5 groups are each independently unsubstituted or substituted by 1 to 3 methoxy groups.